

COELOTES VESTIGIALIS SP. NOV., A NEW SPECIES OF COELOTINE SPIDERS FROM CHINA (ARANEAE, AMAUROBIIDAE)

XU Xiang¹, LI Shu-Qiang²*

1. College of Life Science, Hunan Normal University, Changsha 410081, China

2. Institute of Zoology, Chinese Academy of Sciences, Beijing 100101, China

Abstract A new species of Coelotinae from Hubei Province is reported: *Coelotes vestigialis* sp. nov. Detailed descriptions and illustrations of this new species are presented.

Key words Araneae, Amaurobiidae, Coelotinae, *Coelotes*.

During examination of the Coelotinae spiders deposited in the Institute of Zoology, Chinese Academy of Sciences (IZCAS), a species was found to be new to science. This new species couldn't be placed to any of the existing genera because of the absence of the conductor dorsal apophysis and the median apophysis, and the authors temporarily named it as a *Coelotes* species based on the presence of three cheliceral retrolateral teeth and the big patellar apophysis. Descriptions, illustrations and diagnosis of the new species are provided.

Abbreviations used in the text and figures including: ALE = anterior lateral eye; AME = anterior median eye; AME-ALE = distance between AME and ALE; AME-AME = distance between AME and AME; ALE-PLE = distance between ALE and PLE; C = conductor; CD = copulatory duct; CF = cymbial furrow; E = embolus; PA = patellar apophysis; PLE = posterior lateral eye; PME = posterior median eye; PME-PLE = distance between PME and PLE; PME-PME = distance between PME and PME; RTA = retrolateral tibial apophysis; ST = subtegulum; T = tegulum; TS = tegular sclerite. All measurements are given in millimeters. Eye diameters are taken at the widest point. Leg measurements are shown as: total length (femur, patella + tibia, metatarsus, tarsus). The terms used in the text and figure legends follow Wang (2002).

Coelotes vestigialis sp. nov. (Figs. 1-4)

Type material. Holotype male and 10 male paratypes, China, Hubei, Shennongjia Natural Reserve (31.7°N, 110.6°E), Jiuhuping Town, 24 July to 8

Aug. 1998, leg. Drs. ZHOU Hong-Zhang and YU Xiao-Dong.

Etymology. The specific name derived from the Latin "vestig", meaning vestige and referring to the distinct vestige of absent median apophysis.

Diagnosis. This species can be easily distinguished from other *Coelotes* by the absence of conductor dorsal apophysis and median apophysis.

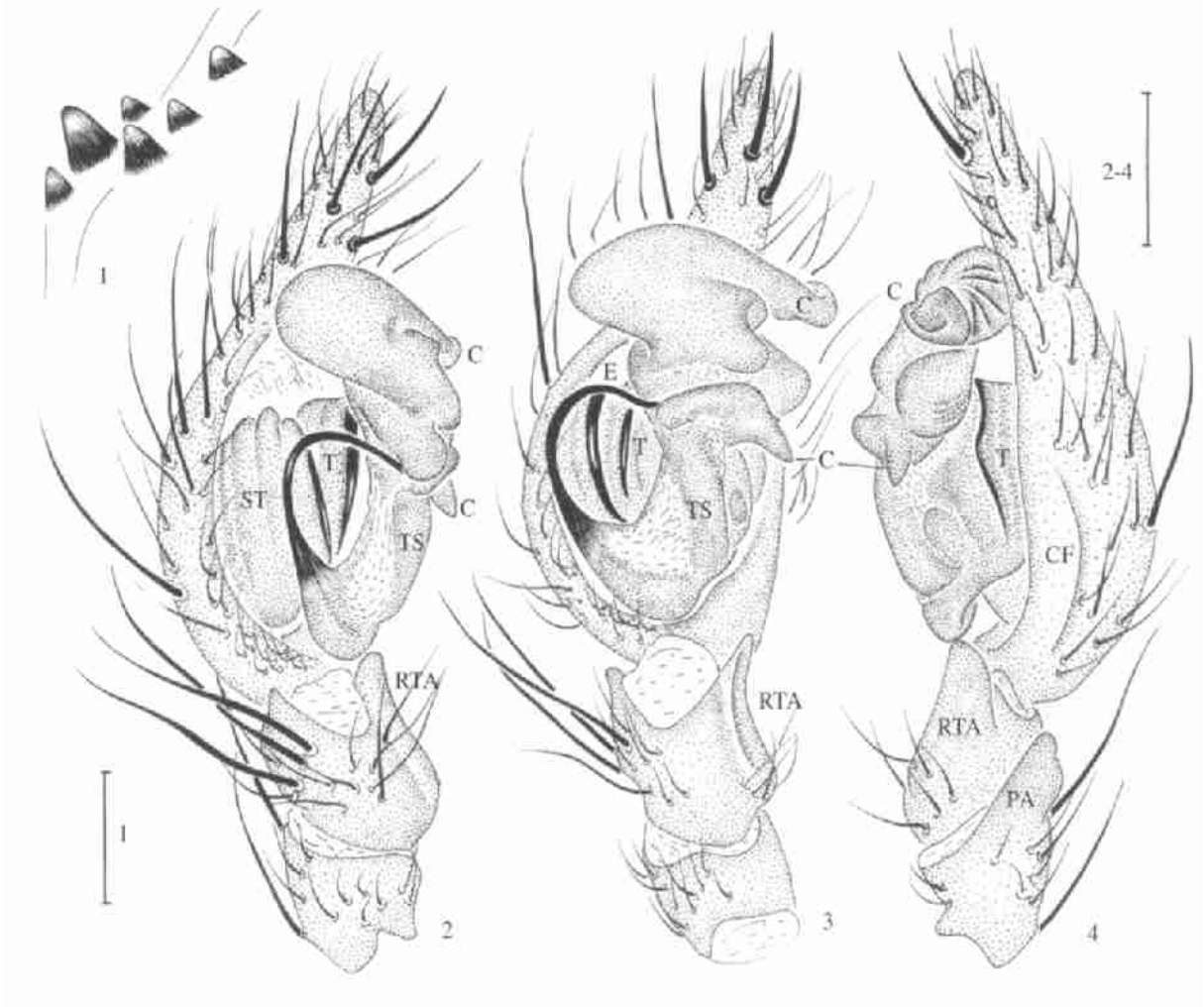
Description of male. Total length 8.2-10.4. A specimen of 9.1 measured: Carapace length 4.2, width 2.8; abdomen length 4.9, width 2.3. Eyes measurement: AME 0.10; ALE 0.19; PME 0.18; PLE 0.20; AME-AME 0.08; AME-ALE 0.06; ALE-PLE 0.05; PME-PME 0.13; PME-PLE 0.13. Clypeus 0.18. Leg longest; leg formula: , , , ; the measurement of legs is as follows: : 13.6 (3.7, 4.6, 3.4, 1.9); : 12.8 (3.5, 4.1, 3.3, 1.9); : 11.8 (3.2, 3.6, 3.2, 1.8); : 15.8 (4.1, 4.8, 4.7, 2.2). Chelicerae with 3 promarginal and 3 retromarginal teeth (Fig. 1). Patellar apophysis large; RTA large and with the distal end extending beyond the tibia; lateral tibial apophysis absent; cymbial furrow about one third cymbial length; the dorsal edge of conductor large, and with the slightly spiraled distal end; the ventral edge of conductor small, and with the slightly sharp distal end; conductor dorsal apophysis absent; median apophysis absent and the distinct vestige present; embolus short, prolateral in origin (Figs. 2-4).

Distribution. China (Hubei).

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*Corresponding author, E-mail: lisq@ioz.ac.cn

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Figs. 1-4. *Coelotes vestigialis* sp. nov. 1. Male cheliceral teeth , lateral view. 2. Male palp , retrolateral view. 3. Male palp , ventral view. 4. Male palp , prolateral view. Scale bars : 1 = 0.2 mm ; 2-4 = 0.5 mm.

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中国隙蛛亚科蜘蛛一新种（蜘蛛目，暗蛛科）

徐 湘¹ 李枢强²

1. 湖南师范大学生命科学学院 长沙 410081
2. 中国科学院动物研究所 北京 100080

摘 要 描述了隙蛛亚科蜘蛛 1 新种。

1998 年 7 月 24 日至 8 月 8 日，周红章、于晓东采。

痕迹隙蛛，新种 *Coelotes vestigialis* sp. nov. (图 1~5)

词源：新种根据中突而命名，指中突消失仅留下痕迹。

正模 ，副模 10 ，湖北神农架自然保护区酒壶坪，

关键词 蜘蛛目，暗蛛科，隙蛛亚科，隙蛛属.

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